# EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| S1 | 1 | "10544210".rlan. or ("10".src. and "544210".ap.) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/03/11 11:01 |
| S2 | 8 | "11092149" | US-PGPUB; USPAT; USOCR; JPO; DERWENT | OR | OFF | 2009/03/11 11:09 |
| S3 | 25 | ((YASUFUMI) near2 (TAKAHASHI)).INV. | US-PGPUB; USPAT | OR | OFF | 2009/07/10 09:09 |
| S4 | 101 | ((HIROYUKI) near2 (FUJIMOTO)).INV. | US-PGPUB; USPAT | OR | OFF | 2009/07/10 09:09 |
| S5 | 58 | ((AKIRA) near2 (KINOSHITA)).INV. | US-PGPUB; USPAT | OR | OFF | 2009/07/10 09:09 |
| S6 | 26 | ((TOYOKI) near2 (FUJIHARA)).INV. | US-PGPUB; USPAT | OR | OFF | 2009/07/10 09:09 |
| S7 | 18 | ((SHINGO) near2 (TODE)).INV. | US-PGPUB; USPAT | OR | OFF | 2009/07/10 09:09 |
| S8 | 23 | ((IKURO) near2 (NAKANE)).INV. | US-PGPUB; USPAT | OR | OFF | 2009/07/10 09:10 |
| S9 | 161 | ((SHIN) near2 (FUJITANI)).INV. | US-PGPUB; USPAT | OR | OFF | 2009/07/10 09:10 |
| S10 | 304 | S3 S4 S5 S6 S7 S8 S9 and "429"/$.ccls. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/10 09:10 |
| S11 | 34 | S10 and (((lithium near2 cobalate) same (Zr and Mg)) (Li and Mg and Zr and Co)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/10 09:28 |
| S12 | 10 | S10 and (((lithium near2 cobalate) same (Zr and Mg)) (Li same Mg same Zr same Co)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/10 09:28 |
| S14 | 1012 | "429"/$.ccls. and ((((lithium near2 cobalate) (Li with Co)) same (Zr and Mg)) (Li and Mg and Zr and Co)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/10 09:34 |
| S15 | 147 | S14 and (Li with Mg with Co with Zr) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/10 09:34 |

| S16 | 53 | S15 and (sinter$3) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/10 09:35 |
|---|---|---|---|---|---|---|
| S17 | 52 | sanyo.as. and (((((lithium near2 cobalate) (Li with Co)) same (Zr and Mg)) (Li and Mg and Zr and Co)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/10 09:35 |
| S18 | 11 | "429"/$.ccls. and ("Li.sub.2CO.sub.3" same "Co.sub.3O.sub.4" same "ZrO.sub.2" same MgO) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/10 09:44 |
| S19 | 2 | "6071645".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/10 09:46 |
| S20 | 3653 | "429"/$.ccls. and (electroly$3 same solvent same ((PC EC (propylene adj carbonate) (ethylene adj carbonate)) same (DMC (dimethyl adj carbonate)))) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/10 11:30 |
| S21 | 2436 | S20 and (volume same (solvent electroly$3)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/10 11:30 |
| S22 | 101 | S21 and (EC/DMC) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/10 11:31 |
| S23 | 781 | "429"/$.ccls. and ((battery batteries) and (ratio same (charge near3 capacity))) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/13 09:18 |
| S24 | 57 | S23 and ((end near3 charge) with voltage) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/13 09:19 |
| S25 | 251 | "429"/$.ccls. and ((battery batteries) and ((ratio same (charge near3 capacity) same ((negative positive) near2 electrode)))) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/13 09:22 |
| S26 | 25 | S25 and ((end near3 charge) with voltage) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/13 09:22 |
| S27 | 25 | S25 and (((end-of-charge) (end near3 charge)) with voltage) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/13 09:23 |

| S28 | 1622 | "429"/$.ccls. and ((battery batteries) and ((anode cathode (positive near2 electrode) (negative near2 electrode)) same (charge near2 capacity))) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/13 09:28 |
|-----|------|------|------|------|------|------|
| S29 | 97 | S28 and ((end-of-charge (end near3 charge)) with voltage) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/13 09:28 |
| S30 | 72 | S29 not S27 | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/13 09:40 |
| S31 | 34374 | "429"/$.ccls. and (battery batteries) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/13 09:41 |
| S32 | 864 | S31 and (volume same ((anode near2 material) (cathode near2 material) (active near2 material)) same ratio) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/13 09:41 |
| S33 | 859 | S32 not S27 | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/13 09:42 |
| S34 | 398 | S31 and (volume with ((anode near2 material) (cathode near2 material) (active near2 material)) same ratio) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/13 09:44 |
| S35 | 15518 | S31 and (electrode with capacity wit ratio) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/13 09:49 |
| S36 | 1153 | S31 and (electrode with capacity with ratio) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/13 09:49 |
| S37 | 1067 | S36 and (nonaqueous non-aqueous rechargeable secondary (lithium with battery)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/13 09:58 |
| S38 | 86 | S37 and ((charge adj capacity) with ratio) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/13 10:01 |
| S39 | 135 | S37 and ((charg$3 adj capacity) with ratio) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/13 10:02 |

| S40 | 2 | "09293536" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/14 07:50 |
|-----|-----|-----|-----|-----|-----|-----|
| S41 | 34388 | "429"/$.ccls. and (battery batteries) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2009/07/14 07:56 |
| S42 | 2740 | S41 and ((active near2 material) with ratio) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/14 07:56 |
| S43 | 150 | S41 and ((active near2 material) with (volume near2 ratio)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/14 07:56 |
| S44 | 0 | 6-325767 | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/14 07:58 |
| S45 | 12 | "6325767" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/14 07:58 |
| S46 | 1 | JP-A-6-325767 | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/14 07:59 |
| S47 | 0 | 63-025767 | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/14 07:59 |
| S48 | 0 | 63-46523 | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/14 07:59 |
| S49 | 0 | 63-046523 | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/14 07:59 |
| S50 | 1 | "63046523" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/14 07:59 |
| S51 | 0 | "63025767" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/14 08:00 |
| S52 | 27 | "5487960" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/07/14 08:28 |
| S53 | 2 | "5487960".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/07/14 08:28 |
| S54 | 2 | "6200703".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/07/14 08:38 |
| S55 | 2 | "20010031391" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2009/07/14 08:42 |

| S56 | 554 | S41 and ((active near2 material) with (specific near4 area)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/14 09:06 |
|---|---|---|---|---|---|---|
| S57 | 482 | S56 and (area with ("m. sup.2")) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/07/14 09:06 |
| S58 | 1112 | "429"/$.ccls. and ((((lithium near2 cobalate) (Li with Co)) same (Zr and Mg)) (Li and Mg and Zr and Co)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2010/02/23 09:18 |
| S59 | 166 | S58 and (Li with Mg with Co with Zr) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2010/02/23 09:18 |
| S60 | 807 | sanyo.as. and "429"/$.ccls. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2010/02/23 09:18 |
| S61 | 523 | S60 and (active adj material) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2010/02/23 09:18 |
| S62 | 7 | S61 and (Li with Mg with Co with Zr) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2010/02/23 09:18 |
| S63 | 39 | ((YASUFUMI) near2 (TAKAHASHI)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/15 08:17 |
| S64 | 129 | ((HIROYUKI) near2 (FUJIMOTO)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/15 08:17 |
| S65 | 64 | ((AKIRA) near2 (KINOSHITA)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/15 08:17 |
| S66 | 28 | ((TOYOKI) near2 (FUJIHARA)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/15 08:17 |
| S67 | 23 | ((SHINGO) near2 (TODE)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/15 08:17 |
| S68 | 27 | ((IKURO) near2 (NAKANE)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/15 08:17 |
| S69 | 176 | ((SHIN) near2 (FUJITANI)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/15 08:17 |
| S70 | 349 | S63 S64 S65 S66 S67 S68 S69 and "429"/$.ccls. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2010/09/15 08:17 |
| S71 | 44 | S70 and ((((lithium near2 cobalate) (Li with Co)) same (Zr and Mg)) (Li and Mg and Zr and Co)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2010/09/15 08:17 |

| S72 | 39964 | "429"/$.ccls. and (battery batteries ((rechargeable secondary storage non $1aqueous) near3 cell)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:19 |
|---|---|---|---|---|---|---|
| S73 | 6917 | S72 and (positive near3 (active adj material)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:20 |
| S74 | 149 | S73 and (Li with (Zr with Mg)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:20 |
| S75 | 35 | S74 and ((active near2 material) same (heat near3 treat$4)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:20 |
| S76 | 15 | S74 and (source near2 material) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:21 |
| S77 | 4 | S70 and (mix$3 with (source adj material)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:21 |
| S78 | 17 | S72 and (("Li.sub.2CO.sub.3" same "Co.sub.3O.sub.4" same "ZrO.sub.2" same MgO) same mix$4) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:25 |
| S79 | 2 | "6685804".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:30 |
| S80 | 5 | S72 and ("LiCo.sub.0.993Zr.sub.0.002Mg.sub.0.005O.sub.2") | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:32 |
| S81 | 458936 | nippon.as. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:36 |
| S82 | 196 | "429"/$.ccls. and S81 | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:36 |
| S83 | 0 | S82 and (Li with Co with Zr) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:36 |
| S84 | 3 | S82 and ( Co with Zr) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:36 |
| S85 | 3 | S82 and (Co with Zr) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:37 |

| S86 | 218 | S72 and (((starting raw source) near2 material) same "Li.sub.2CO.sub.3") | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:41 |
| S87 | 4 | S86 and ("ZrO.sub.2" same MgO) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:42 |
| S88 | 12 | S72 and (((starting raw source) near2 material) same ("ZrO.sub.2" same MgO)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/15 08:44 |
| S89 | 39 | ((YASUFUMI) near2 (TAKAHASHI)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/16 08:56 |
| S90 | 129 | ((HIROYUKI) near2 (FUJIMOTO)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/16 08:56 |
| S91 | 64 | ((AKIRA) near2 (KINOSHITA)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/16 08:56 |
| S92 | 28 | ((TOYOKI) near2 (FUJIHARA)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/16 08:56 |
| S93 | 23 | ((SHINGO) near2 (TODE)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/16 08:56 |
| S94 | 27 | ((IKURO) near2 (NAKANE)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/16 08:56 |
| S95 | 176 | ((SHIN) near2 (FUJITANI)).INV. | US-PGPUB; USPAT | OR | OFF | 2010/09/16 08:56 |
| S96 | 349 | S89 S90 S91 S92 S93 S94 S95 and "429"/$.ccls. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2010/09/16 08:56 |
| S97 | 40041 | "429"/$.ccls. and (battery batteries ((rechargeable secondary storage non $1aqueous) near3 cell)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/22 09:58 |
| S98 | 221 | S97 and (((starting raw source) near2 material) same "Li.sub.2CO.sub.3") | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/09/22 09:58 |
| S99 | 41909 | "429"/$.ccls. and (battery batteries ((rechargeable secondary storage non $1aqueous) near3 cell)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2011/03/09 08:02 |
| S100 | 245 | S99 and (((starting raw source) near2 material) same "Li.sub.2CO.sub.3") | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2011/03/09 08:02 |

| S101 | 6 | S100 and ("ZrO.sub.2" same MgO) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2011/03/09 08:02 |
|---|---|---|---|---|---|---|
| S102 | 1377 | "429"/$.ccls. and ((((lithium near2 cobalate) (Li with Co)) same (Zr and Mg)) (Li and Mg and Zr and Co)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2011/03/09 08:02 |
| S103 | 200 | S102 and (Li with Mg with Co with Zr) | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2011/03/09 08:02 |
| S104 | 6 | S100 and ("ZrO.sub.2" same MgO) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2011/03/09 08:09 |
| S105 | 22 | "429"/$.ccls. and (("Li.sub.2CO.sub.3" same "Co.sub.3O.sub.4" same "ZrO.sub.2" same MgO)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2011/03/09 08:11 |

## EAST Search History (Interference)

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**3/9/2011 10:19:01 AM**
**C:\ Documents and Settings\ aarciero\ My Documents\ EAST\ Workspaces\ 10-544210-nonaqueous sec batt.wsp**